

WEST Search History

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DATE: Saturday, January 10, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L6	L4 and (nucleic acid or dna or rna or nucleotide)	15
<input type="checkbox"/>	L5	L4 and (nucleic acid or dna or rna or nucleotide)	15
<input type="checkbox"/>	L4	L3 and (spin column or filter column)	25
<input type="checkbox"/>	L3	L2 and column	2046
<input type="checkbox"/>	L2	(422/69,70,100,101,102; 536/25.4,124,127)! [CCLS]	5488
<input type="checkbox"/>	L1	(422/69,70,100,101,102; 536/25.4,124,127)![CCLS]	5488

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 07:45:22 ON 10 JAN 2004)

FILE 'CAPLUS, USPATFULL' ENTERED AT 07:45:41 ON 10 JAN 2004

L1 3483 S FILTER COLUMN OR SPIN COLUMN
L2 930 S L1 AND CENTRIFUGE
L3 912 S L2 AND (NUCLEIC ACID OR DNA OR RNA OR ?NUCLEOTIDE)
L4 114 S L3 AND (COLLECTING TUBE OR COLLECTION TUBE)
L5 34 S L4 AND DIAMETER

L5 ANSWER 1 OF 34 USPATFULL on STN
 ACCESSION NUMBER: 2003:324625 USPATFULL
 TITLE: DNA isolation method and kit
 INVENTOR(S): Domanico, Michael J., Longmont, CO, UNITED STATES
 Hurley, J. Michael, Louisville, CO, UNITED STATES
 PATENT ASSIGNEE(S): Eppendorf 5 Prime, Inc., Boulder, CO, UNITED STATES
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003228600	A1	20031211
APPLICATION INFO.:	US 2003-401414	A1	20030328 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-906898, filed on 16 Jul 2001, GRANTED, Pat. No. US 6548256		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-218328P	20000714 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DORSEY & WHITNEY, LLP, INTELLECTUAL PROPERTY DEPARTMENT, 370 SEVENTEENTH STREET, SUITE 4700, DENVER, CO, 80202-5647	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	1225	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods and compositions are provided for the isolation of genomic DNA (gDNA) and Bacterial Artificial Chromosomes (BACS) from a target source. Novel **nucleic acid** trapping membranes are also provided, the membranes composed of oleophobic coated or treated glass and/or acrylic fibers or beads.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 34 USPATFULL on STN
 ACCESSION NUMBER: 2003:285183 USPATFULL
 TITLE: Method and apparatus for flow-through hybridization
 INVENTOR(S): Chen, Jer-Kang, Palo Alto, CA, United States
 Chiesa, Claudia, Redwood City, CA, United States
 Fry, George A., San Carlos, CA, United States
 Furniss, Vergine C., San Mateo, CA, United States
 Lambert, Stephen M., Castro Valley, CA, United States
 O'Neill, Roger, San Carlos, CA, United States
 Mehrpouyan, Majid, San Jose, CA, United States
 PATENT ASSIGNEE(S): PE Corporation (NY), Norwalk, CO, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6638760	B1	20031028
APPLICATION INFO.:	US 1998-204865		19981203 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-135516P	19981125 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Whisenant, Ethan	
ASSISTANT EXAMINER:	Lu, Frank	
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP	
NUMBER OF CLAIMS:	45	

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1681

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides substrates and apparatuses for efficient, rapid and specific capture, and optimal recovery, of **nucleic acids**, as well as methods of their use. The substrate is porous in nature and has a capture **polynucleotide** capable of hybridizing to a target **nucleic acid** immobilized thereon. Upon flowing a sample containing or suspected of containing the target **nucleic acid** through the porous substrate, the target **nucleic acid** is rapidly captured. Following capture, the target **nucleic acid** can be efficiently recovered for subsequent use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2003:237900 USPATFULL
TITLE: Method and apparatus for the production of soluble MHC antigens and uses thereof
INVENTOR(S): Hildebrand, William H., Edmond, OK, UNITED STATES
Prilliman, Kiley R., San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003166057	A1	20030904
APPLICATION INFO.:	US 2001-22066	A1	20011218 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-465321, filed on 17 Dec 1999, ABANDONED Continuation-in-part of Ser. No. US 2001-974366, filed on 10 Oct 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-256410P	20001218 (60)
	US 2000-256409P	20001218 (60)
	US 2001-327907P	20011009 (60)
	US 2001-293261P	20010524 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DUNLAP, CODDING & ROGERS P.C., PO BOX 16370, OKLAHOMA CITY, OK, 73114
NUMBER OF CLAIMS: 44
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 98 Drawing Page(s)
LINE COUNT: 5145

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The field of the invention relates in general to at least one method and apparatus for the production of soluble MHC antigens and more particularly, but not by way of limitation, to at least one method and apparatus for the production of soluble Class I and II HLA molecules. The field of the invention also includes such produced soluble Class I and II HLA molecules and their use. According to the methodology of the present invention, the soluble Class I and II HLA molecules can be produced from either gDNA or cDNA starting material.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2003:225302 USPATFULL
TITLE: Compositions and methods for treatment of neoplastic disease
INVENTOR(S): Terman, David S., Pebble Beach, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003157113	A1	20030821
APPLICATION INFO.:	US 2000-751708	A1	20001228 (9)
	NUMBER	DATE	
PRIORITY INFORMATION:	US 1999-173371P	19991228 (60)	
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	David S. Terman, P.O. Box 987, Pebble beach, CA, 93953		
NUMBER OF CLAIMS:	60		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	15804		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention comprises compositions and methods for treating a tumor or neoplastic disease in a host. The methods employ conjugates comprising superantigen polypeptides, **nucleic acids** with other structures that preferentially bind to tumor cells and are capable of inducing apoptosis. Also provided are superantigen-glycolipid conjugates and vesicles that are loaded onto antigen presenting cells to activate both T cells and NKT cells. Cell-based vaccines comprise tumor cells engineered to express a superantigen along with glycolipids products which, when expressed, render the cells capable of eliciting an effective anti-tumor immune response in a mammal into which these cells are introduced. Included among these compositions are tumor cells, hybrid cells of tumor cells and accessory cells, preferably dendritic cells. Also provided are tumorcidal T cells and NKT cells devoid of inhibitory receptors or inhibitory signaling motifs which are hyperresponsive to the the above compositions and lipid-based tumor associated antigens that can be administered for adoptive immunotherapy of cancer and infectious diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 34 USPATFULL on STN
 ACCESSION NUMBER: 2003:219684 USPATFULL
 TITLE: Isolation of **nucleic acids** on surfaces
 INVENTOR(S): Gauch, Simone, Pasadena, CA, UNITED STATES
 Bastian, Helge, Dusseldorf, GERMANY, FEDERAL REPUBLIC OF
 Ullmann, Susanne, Erkrath, GERMANY, FEDERAL REPUBLIC OF
 Oelmuller, Uwe, Erkrath, GERMANY, FEDERAL REPUBLIC OF
 Weber, Martin, Leichlingen, GERMANY, FEDERAL REPUBLIC OF
 Fuhrmann, Guido, Erkelenz, GERMANY, FEDERAL REPUBLIC OF
 Schorr, Joachim, Hilden, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003152974	A1	20030814
APPLICATION INFO.:	US 2002-300111	A1	20021120 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-536735, filed on 28 Mar 2000, PENDING Continuation-in-part of Ser. No. WO 1999-EP2664, filed on 20 Apr 1999, UNKNOWN Continuation-in-part of Ser. No. WO 1998-EP6756, filed on 23 Oct 1998, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1997-DE19746874	19971023
DOCUMENT TYPE:	Utility	

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Leon R. Yankwich, Yankwich & Associates, 201 Broadway,
Cambridge, MA, 02139
NUMBER OF CLAIMS: 120
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 8 Drawing Page(s)
LINE COUNT: 2980
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB New processes and equipment to isolate and purify **nucleic acids** on surfaces are provided. The invention focuses on processes which use surfaces, for example, porous membranes, on which the **nucleic acids** are immobilized in a simple manner from the sample containing the **nucleic acids** and can be released again by way of simple procedural steps, whereby the simple performance of the process according to the invention makes it possible to perform the processes specifically in a fully automatic manner. An additional aspect of the present invention focuses on binding the **nucleic acids** to an immobile phase, especially to a membrane, in such a way and manner, that they can be released without difficulty during an additional reaction stage from this phase and, if desired, can be used in other applications, such as restriction digestion, RT, PCR or RT-PCR, or in any of the suitable analyses or enzyme reactions mentioned in the disclosure. Special isolation devices are provided that can be used to carry out the processes according to the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2003:194457 USPATFULL
TITLE: Fast and exhaustive method for selecting a prey polypeptide interacting with a bait polypeptide of interest: application to the construction of maps of interactors polypeptides
INVENTOR(S): Legrain, Pierre, Paris, FRANCE
Fromont, Micheline, Villejuif, FRANCE
Rain, Jean-Christophe, Puteaux, FRANCE
PATENT ASSIGNEE(S): Institut Pasteur, Paris, FRANCE (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003134268	A1	20030717
APPLICATION INFO.:	US 2002-279964	A1	20021025 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-637240, filed on 14 Aug 2000, GRANTED, Pat. No. US 6531284 Continuation of Ser. No. US 1998-25151, filed on 18 Feb 1998, GRANTED, Pat. No. US 6187535		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT &, DUNNER LLP, 1300 I STREET, NW, WASHINGTON, DC, 20006		
NUMBER OF CLAIMS:	31		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Page(s)		
LINE COUNT:	3339		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to a method for selecting a prey polypeptide that is able to interact with a bait polypeptide of interest, to a prey **polynucleotide** encoding the prey polypeptide as well as to the prey polypeptide itself. The invention also concerns plasmids used for performing the method of the invention as well as prokaryotic or eukaryotic recombinant host organisms containing such plasmids and also a collection of said recombinant host organisms consisting in a **DNA** library, such as a collection of

recombinant haploid *Saccharomyces cerevisiae*. Finally, the invention is also directed to a technical medium containing the whole information concerning the interactions between metabolically related bait and prey polypeptides and/or polynucleotides coding for bait and prey polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 34 USPATFULL on STN

ACCESSION NUMBER: 2003:173169 USPATFULL

TITLE: Identification of essential genes of *Aspergillus fumigatus* and methods of use

INVENTOR(S):
Jiang, Bo, Montreal, CANADA
Tishkoff, Daniel, San Diego, CA, UNITED STATES
Zamudio, Carlos, La Jolla, CA, UNITED STATES
Eroshkin, Alexey M., San Diego, CA, UNITED STATES
Hu, Wenqi, Dollard-des-Ormeaux, CANADA
Lemieux, Sebastien, Montreal, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003119013	A1	20030626
APPLICATION INFO.:	US 2002-128714	A1	20020423 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-316362P	20010831 (60)
	US 2001-303899P	20010709 (60)
	US 2001-295890P	20010605 (60)
	US 2001-287066P	20010427 (60)
	US 2001-285697P	20010423 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711

NUMBER OF CLAIMS: 43

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 1 Drawing Page(s)

LINE COUNT: 8519

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides **nucleotide** sequences, methods and compositions that enable the experimental determination as to whether any gene in the genome of *Aspergillus fumigatus* is essential, and whether that gene is required for virulence or pathogenicity. The methods involve the construction of genetic mutants in which a target gene is placed under conditional expression. The identification of essential genes and those genes critical to the development of virulent infections, provides a basis for the development of screens for new drugs against *Aspergillus fumigatus*.

The present invention further provides *Aspergillum fumigatus* genes that are essential and are potential targets for drug screening. The **nucleotide** sequence of the target genes can be used for various drug discovery purposes, such as expression of the recombinant protein, hybridization assay and construction of **nucleic acid** arrays. The uses of proteins encoded by the essential genes, and genetically engineered cells comprising modified alleles of essential genes in various screening methods are also encompassed by the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 34 USPATFULL on STN

ACCESSION NUMBER: 2003:165909 USPATFULL

TITLE: Compositions and methods for the treatment of tumors
INVENTOR(S): Bodary, Sarah C., San Bruno, CA, UNITED STATES
Fisher, Karen L., Millbrae, CA, UNITED STATES
PATENT ASSIGNEE(S): Genentech, Inc., South San Francisco, CA, UNITED STATES
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003113764	A1	20030619
APPLICATION INFO.:	US 2002-226844	A1	20020822 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-627202, filed on 27 Jul 2000, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-146217P	19990728 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903	
NUMBER OF CLAIMS:	47	
EXEMPLARY CLAIM:	1	
LINE COUNT:	5569	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns compositions and methods for the diagnosis and treatment of neoplastic cell growth and proliferation in mammals, including humans. The invention is based upon the identification of an ADAM8 gene that is amplified in the genome of tumor cells. Such gene amplification is associated with the overexpression of the gene product as compared to normal cells of the same tissue type and contributes to tumorigenesis. Accordingly, the ADAM8 protein encoded by the amplified gene is a useful target for the diagnosis and/or treatment (including prevention) of certain cancers, and acts as a predictor of the prognosis of tumor treatment.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2003:120114 USPATFULL
TITLE: **Nucleic acids of aspergillus fumigatus** encoding industrial enzymes and methods of use
INVENTOR(S): Jiang, Bo, Montreal, CANADA
Storms, Reginald, Beaconsfield, CANADA
Roemer, Terry, Montreal, CANADA
Bussey, Howard, Westmount, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003082595	A1	20030501
APPLICATION INFO.:	US 2002-213990	A1	20020805 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-309870P	20010803 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PENNIE AND EDMONDS, 1155 AVENUE OF THE AMERICAS, NEW YORK, NY, 100362711	
NUMBER OF CLAIMS:	45	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	8033	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides **nucleotide** sequences of *Aspergillus fumigatus* that encode proteins which exhibit enzyme activities. Vectors, expression constructs, and host cells comprising the **nucleotide** sequences of the enzyme genes are also provided. The invention further provides methods for producing the enzymes, and methods for modifying the enzymes in order to improve their desirable characteristics. The activities displayed by the enzymes of the invention include those of a tannase, cellulase, glucose oxidase, glucoamylase, phytase, .beta.-galactosidases, invertase, lipase, .alpha.-amylase, laccase, polygalacturonase or xylanase. The enzymes of the invention can be used in a variety of industrial processes. Enzymatically active compositions in various forms as well as antibodies to the enzymes and fragments thereof, are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 34 USPATFULL on STN

ACCESSION NUMBER: 2003:100302 USPATFULL

TITLE: Low volume filtration column devices and methods of filtering therewith

INVENTOR(S): Pai, Derek S., San Francisco, CA, UNITED STATES
Kunitake, Steven T., San Carlos, CA, UNITED STATES
Richardson, Derrick, Miramar, FL, UNITED STATES
Monteon, Jorge, San Jose, CA, UNITED STATES

NUMBER KIND DATE

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PATENT INFORMATION: US 2003069413 A1 20030410

APPLICATION INFO.: US 2002-209508 A1 20020730 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-882530, filed on 15 Jun 2001, PENDING

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Rimas Lukas, Aloha Patent Company, P. O. Box 3295, Half Moon Bay, CA, 94019

NUMBER OF CLAIMS: 102

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 12 Drawing Page(s)

LINE COUNT: 1367

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This relates to **filter columns** for isolating **nucleic acids**, particularly at small elution volumes. The **filter column** is adapted for stable placement within the upper portion of standard plastic **collection tubes** of various sizes. The body of the **filter column** has a number of surfaces to accommodate placement within variously sized **collection tubes**. The **filter column** contains **nucleic acid**-specific filter which can be located at alternate regions within the **filter column**, providing different filter surface areas and loading volume capacities using the same column body. The **filter column** has an opening on an upper end adapted to be sealed by a cap. A method for recovering **nucleic acids** using such **filter column** is also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 34 USPATFULL on STN

ACCESSION NUMBER: 2003:79315 USPATFULL

TITLE: Atropisomers of asymmetric xanthene fluorescent dyes and methods of **DNA** sequencing and fragment analysis

INVENTOR(S): Lee, Linda G., Palo Alto, CA, UNITED STATES
Taing, Meng C., San Mateo, CA, UNITED STATES

PATENT ASSIGNEE(S): Rosenblum, Barnett B., San Jose, CA, UNITED STATES
PE Corporation (NY), Foster City, CA (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003055243	A1	20030320
APPLICATION INFO.:	US 6649769	B2	20031118
RELATED APPLN. INFO.:	US 2002-227058	A1	20020821 (10)
DOCUMENT TYPE:	Continuation of Ser. No. US 2000-704966, filed on 1 Nov 2000, GRANTED, Pat. No. US 6448407		
FILE SEGMENT:	Utility		
LEGAL REPRESENTATIVE:	PATTI SELAN, PATENT ADMINISTRATOR, APPLIED BIOSYSTEMS, 850 LINCOLN CENTRE DRIVE, FOSTER CITY, CA, 94404		
NUMBER OF CLAIMS:	55		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	21 Drawing Page(s)		
LINE COUNT:	2089		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Atropisomeric energy-transfer dye compounds are disclosed. A variety of molecular biology applications utilize atropisomeric xanthene fluorescent dyes as labels for substrates such as nucleotides, nucleosides, polynucleotides, polypeptides and carbohydrates. Methods include DNA sequencing, DNA fragment analysis, PCR, SNP analysis, oligonucleotide ligation, amplification, minisequencing, and primer extension.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2003:67656 USPATFULL
TITLE: Fast and exhaustive method for selecting a prey polypeptide interacting with a bait polypeptide of interest: application to the construction of maps of interactors polypeptides
INVENTOR(S): Legrain, Pierre, Paris, FRANCE
Fromont, Micheline, Villejuif, FRANCE
Rain, Jean-Christophe, Puteaux, FRANCE
PATENT ASSIGNEE(S): Institut Pasteur, Paris Cedex, FRANCE (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6531284	B1	20030311
APPLICATION INFO.:	US 2000-637240		20000814 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-25151, filed on 18 Feb 1998, now patented, Pat. No. US 6187535, issued on 13 Feb 2001		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Siew, Jeffrey		
LEGAL REPRESENTATIVE:	Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 10 Drawing Page(s)		
LINE COUNT:	3242		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to a method for selecting a prey polypeptide that is able to interact with a bait polypeptide of interest, to a prey polynucleotide encoding the prey polypeptide as well as to prey polypeptide itself. The invention also concerns plasmids used for performing the method of the invention as well as prokaryotic or eukaryotic recombinant host organisms containing such plasmids and also a collection of said recombinant host organisms

consisting in a DNA library, such as a collection of recombinant haploid *Saccharomyces cerevisiae*. Finally, the invention is also directed to a technical medium containing the whole information concerning the interaction between metabolically related bait and prey polypeptides and/or polynucleotides coding for bait and prey polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 13 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2003:64300 USPATFULL
TITLE: Self antigen vaccines for treating B cell lymphomas and other cancers
INVENTOR(S): McCormick, Alison A., Vacaville, CA, UNITED STATES
Tuse, Daniel, Menlo Park, CA, UNITED STATES
Reinl, Stephen J., Sacramento, CA, UNITED STATES
Lindbo, John A., Vacaville, CA, UNITED STATES
Turpen, Thomas H., Vacaville, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044420	A1	20030306
APPLICATION INFO.:	US 2002-67893	A1	20020208 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-522900, filed on 10 Mar 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-155979P	19990924 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P., 1300 19TH STREET, N.W., SUITE 600, WASHINGTON, DC, 20036	
NUMBER OF CLAIMS:	53	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5	Drawing Page(s)
LINE COUNT:	3295	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A polypeptide self-antigen useful in a tumor-specific vaccine mimics one or more epitopes of an antigen uniquely expressed by cells of the tumor. The polypeptide is preferably produced in a plant that has been transformed or transfected with **nucleic acid** encoding the polypeptide and is obtainable from the plant in correctly folded, preferably soluble form without a need for denaturation and renaturation. This plant-produced polypeptide is immunogenic without a need for exogenous adjuvants or other immunostimulatory materials. The polypeptide is preferably an scFv molecule that bears the idiotype of the surface immunoglobulin of a non-Hodgkin's (or B cell) lymphoma. Upon administration to a subject with lymphoma, the plant-produced, tumor-unique scFv polypeptide induces an idiotype-specific antibody or cell-mediated immune response against the lymphoma.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 14 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2003:64297 USPATFULL
TITLE: Self antigen vaccines for treating B cell lymphomas and other cancers
INVENTOR(S): McCormick, Alison A., Vacaville, CA, UNITED STATES
Tuse, Daniel, Menlo Park, CA, UNITED STATES
Reinl, Stephen J., Sacramento, CA, UNITED STATES
Lindbo, John A., Vacaville, CA, UNITED STATES
Turpen, Thomas H., Menlo Park, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044417	A1	20030306
APPLICATION INFO.:	US 2000-539382	A1	20000331 (9)
	NUMBER	DATE	
PRIORITY INFORMATION:	US 1999-155979P	19990924 (60)	
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Dean H. Nakamura, Esquire, Roylance, Abrams, Berdo & Goodman, LLP, 1300 19th Street, N.W., Suite 600, Washington, DC, 20036		
NUMBER OF CLAIMS:	53		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Page(s)		
LINE COUNT:	3253		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	A polypeptide self-antigen useful in a tumor-specific vaccine mimics one or more epitopes of an antigen uniquely expressed by cells of the tumor. The polypeptide is preferably produced in a plant that has been transformed or transfected with nucleic acid encoding the polypeptide and is obtainable from the plant in correctly folded, preferably soluble form without a need for denaturation and renaturation. This plant-produced polypeptide is immunogenic without a need for exogenous adjuvants or other immunostimulatory materials. The polypeptide is preferably an scFv molecule that bears the idiotype of the surface immunoglobulin of a non-Hodgkin's (or B cell) lymphoma. Upon administration to a subject with lymphoma, the plant-produced, tumor-unique scFv polypeptide induces an idiotype-specific antibody or cell-mediated immune response against the lymphoma.		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
L5	ANSWER 15 OF 34	USPATFULL	on STN
ACCESSION NUMBER:	2003:57095 USPATFULL		
TITLE:	Self antigen vaccines for treating B cell lymphomas and other cancers		
INVENTOR(S):	McCormick, Alison A., Vacaville, CA, UNITED STATES Tuse, Daniel, Menlo Park, CA, UNITED STATES Reinl, Stephen J., Sacramento, CA, UNITED STATES Lindbo, John A., Vacaville, CA, UNITED STATES Turpen, Thomas H., Vacaville, CA, UNITED STATES		
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003039659	A1	20030227
APPLICATION INFO.:	US 2002-67892	A1	20020208 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-522900, filed on 10 Mar 2000, PENDING		
	NUMBER	DATE	
PRIORITY INFORMATION:	US 1999-155979P	19990924 (60)	
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P., 1300 19TH STREET, N.W., SUITE 600, WASHINGTON, DC, 20036		
NUMBER OF CLAIMS:	53		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Page(s)		
LINE COUNT:	3288		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	A polypeptide self-antigen useful in a tumor-specific vaccine mimics one		

or more epitopes of an antigen uniquely expressed by cells of the tumor. The polypeptide is preferably produced in a plant that has been transformed or transfected with **nucleic acid** encoding the polypeptide and is obtainable from the plant in correctly folded, preferably soluble form without a need for denaturation and renaturation. This plant-produced polypeptide is immunogenic without a need for exogenous adjuvants or other immunostimulatory materials. The polypeptide is preferably an scFv molecule that bears the idiotype of the surface immunoglobulin of a non-Hodgkin's (or B cell) lymphoma. Upon administration to a subject with lymphoma, the plant-produced, tumor-unique scFv polypeptide induces an idiotype-specific antibody or cell-mediated immune response against the lymphoma.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 16 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2003:50851 USPATFULL
TITLE: Self antigen vaccines for treating B cell lymphomas and other cancers
INVENTOR(S): McCormick, Alison A., Vacaville, CA, UNITED STATES
Tuse, Daniel, Menlo Park, CA, UNITED STATES
Reinl, Stephen J., Sacramento, CA, UNITED STATES
Lindbo, John A., Vacaville, CA, UNITED STATES
Turpen, Thomas H., Vacaville, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003035807	A1	20030220
APPLICATION INFO.:	US 2002-67790	A1	20020208 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-522900, filed on 10 Mar 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-155979P	19990924 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P., 1300 19TH STREET, N.W., SUITE 600, WASHINGTON, DC, 20036	
NUMBER OF CLAIMS:	53	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	3276	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A polypeptide self-antigen useful in a tumor-specific vaccine mimics one or more epitopes of an antigen uniquely expressed by cells of the tumor. The polypeptide is preferably produced in a plant that has been transformed or transfected with **nucleic acid** encoding the polypeptide and is obtainable from the plant in correctly folded, preferably soluble form without a need for denaturation and renaturation. This plant-produced polypeptide is immunogenic without a need for exogenous adjuvants or other immunostimulatory materials. The polypeptide is preferably an scFv molecule that bears the idiotype of the surface immunoglobulin of a non-Hodgkin's (or B cell) lymphoma. Upon administration to a subject with lymphoma, the plant-produced, tumor-unique scFv polypeptide induces an idiotype-specific antibody or cell-mediated immune response against the lymphoma.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2002:337298 USPATFULL
TITLE: Filtration column devices and methods of filtering therewith

INVENTOR(S): Richardson, Derrick A., Pembroke, FL, UNITED STATES
Pai, Derek S., Redwood City, CA, UNITED STATES
Monteon, Jorge, San Jose, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002192656	A1	20021219
APPLICATION INFO.:	US 2001-882530	A1	20010615 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	MORRISON & FOERSTER LLP, 755 PAGE MILL RD, PALO ALTO, CA, 94304-1018		
NUMBER OF CLAIMS:	25		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Page(s)		
LINE COUNT:	621		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This relates to **filter columns** for isolating **nucleic acids**. The **filter column** is adapted for stable placement within the upper portion of standard plastic **collection tubes** of various sizes. The body of the **filter column** has a number of surfaces to accommodate placement within variously sized **collection tubes**. The **filter column** contains **nucleic acid**-specific filter which can be located at alternate regions within the **filter column**, providing different filter surface areas and loading volume capacities using the same column body. The **filter column** has an opening on an upper end adapted to be sealed by a cap. A method for recovering **nucleic acids** using such **filter column** is also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 18 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2002:315069 USPATFULL
TITLE: Compositions and methods for treatment of neoplastic disease
INVENTOR(S): Terman, David S., Pebble Beach, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002177551	A1	20021128
APPLICATION INFO.:	US 2001-870759	A1	20010530 (9)
	NUMBER	DATE	
PRIORITY INFORMATION:	US 2000-208128P	20000531 (60)	
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	David S. Terman, P.O. Box 987, Pebble Beach, CA, 93953		
NUMBER OF CLAIMS:	30		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	17323		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention comprises compositions and methods for treating a tumor or neoplastic disease in a host. The methods employ conjugates comprising superantigen polypeptides, **nucleic acids** with other structures that preferentially bind to tumor cells and are capable of inducing apoptosis. Also provided are superantigen-glycolipid conjugates and vesicles that are loaded onto antigen presenting cells to activate both T cells and NKT cells. Cell-based vaccines comprise tumor cells engineered to express a superantigen along with glycolipids

products which, when expressed, render the cells capable of eliciting an effective anti-tumor immune response in a mammal into which these cells are introduced. Included among these compositions are tumor cells, hybrid cells of tumor cells and accessory cells, preferably dendritic cells. Also provided are tumorcidal T cells and NKT cells devoid of inhibitory receptors or inhibitory signaling motifs which are hyperresponsive to the the above compositions and lipid-based tumor associated antigens that can be administered for adoptive immunotherapy of cancer and infectious diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 19 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2002:307900 USPATFULL
TITLE: **Nucleic acid** sequences encoding
type III tenebrio antifreeze proteins and method for
assaying activity
INVENTOR(S): Horwath, Kathleen L., Endwell, NY, UNITED STATES
Easton, Christopher M., Ithaca, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002173024	A1	20021121
APPLICATION INFO.:	US 2001-876796	A1	20010607 (9)
	NUMBER	DATE	
PRIORITY INFORMATION:	US 2000-210446P	20000608 (60)	
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Mark Levy, SALZMAN & LEVY, Ste. 902, 19 Chenango St., Binghamton, NY, 13901		
NUMBER OF CLAIMS:	40		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	131 Drawing Page(s)		
LINE COUNT:	10082		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	Thermal hysteresis proteins and their nucleotide sequences derived from the Tenebrionoidea Superfamily which lower the freezing point of a solution without effecting the melting point. Related methods for preparing said proteins and for providing antifreeze or recrystallization inhibition properties to a subject formulation.		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 20 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2002:307828 USPATFULL
TITLE: **Nucleic acid** sequences encoding
type III tenebrio antifreeze proteins and method for
assaying activity
INVENTOR(S): Horwath, Kathleen L., Endwell, NY, UNITED STATES
Meyers, Kevin L., Trumansburg, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002172951	A1	20021121
APPLICATION INFO.:	US 2001-876348	A1	20010607 (9)
	NUMBER	DATE	
PRIORITY INFORMATION:	US 2000-210446P	20000608 (60)	
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Mark Levy, SALZMAN & LEVY, Ste. 902, 19 Chenango St.,		

Binghamton, NY, 13901

NUMBER OF CLAIMS: 34
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 131 Drawing Page(s)
LINE COUNT: 10121

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A recrystallization inhibition method for determining the presence, relative concentration, and/or activity of thermal hysteresis proteins comprising: providing a proteinaceous composition in a solvent to form a test solution; flash freezing said solution; raising the temperature of the frozen solution to an appropriate annealing temperature that allows for a partial melt, while limiting heterogeneity in ice grain sizes within said solution; maintaining said frozen solution at the annealing temperature for a length of time sufficient to allow for recrystallization; monitoring the ice crystal grain size changes over time; and determining the presence of functional thermal hysteresis proteins in said solution given the retention of significantly smaller ice crystal grain sizes relative to at least one control solution.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 21 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2002:238604 USPATFULL
TITLE: Method for producing microporous elements, the microporous elements thus produced and uses thereof
INVENTOR(S): Dusterhoft, Andreas, Hilden, GERMANY, FEDERAL REPUBLIC OF
Manz, Thomas, Dusseldorf, GERMANY, FEDERAL REPUBLIC OF
Mehl, Ehrenfried, Munchen, GERMANY, FEDERAL REPUBLIC OF
Lottspeich, Friedrich, Stockdorf, GERMANY, FEDERAL
REPUBLIC OF
PATENT ASSIGNEE(S): Dyax Corp., Cambridge, MA, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6451260	B1	20020917
	WO 9808594		19980305
APPLICATION INFO.:	US 1999-242786		19990309 (9)
	WO 1997-EP4653		19970826
			19990309 PCT 371 date

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Riley, Jezia
LEGAL REPRESENTATIVE: Yankwich, Leon R., O'Brien, David G.
NUMBER OF CLAIMS: 31
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 4 Drawing Page(s)
LINE COUNT: 2397

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Described are novel methods for producing microporous elements and microporous elements obtainable by such methods. Provided are also microporous elements including solid microparticles, which preferably modify the adsorptive properties of the microporous element. Described are also microporous elements which are linked to a support and/or a retainer as well as methods for their production. Filter elements comprising the above-described microporous elements are also provided. Furthermore, kits, diagnostic and pharmaceutical compositions comprising the aforementioned microporous or filter elements are described. Furthermore, uses of the aforementioned microporous and filter elements in microfiltration, chromatography, adsorption/immobilization of organic and inorganic compounds as well as for the preparation and/or detection of such compounds are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 22 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2002:231094 USPATFULL
TITLE: Atropisomers of asymmetric xanthene fluorescent dyes and methods of **DNA** sequencing and fragment analysis
INVENTOR(S): Lee, Linda G., Palo Alto, CA, United States
Taing, Meng C., San Mateo, CA, United States
Rosenblum, Barnett B., San Jose, CA, United States
PATENT ASSIGNEE(S): PE Corporation (NY), Foster City, CA, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6448407	B1	20020910
APPLICATION INFO.:	US 2000-704966		20001101 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Davis, Zinna Northington		
LEGAL REPRESENTATIVE:	Andrus, Alex		
NUMBER OF CLAIMS:	57		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	21 Drawing Figure(s); 21 Drawing Page(s)		
LINE COUNT:	2083		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Substantially pure atropisomers of xanthene compounds are disclosed. A variety of molecular biology applications utilize atropisomeric xanthene fluorescent dyes as labels for substrates such as nucleotides, nucleosides, polynucleotides, polypeptides and carbohydrates. Methods include **DNA** sequencing, **DNA** fragment analysis, PCR, SNP analysis, **oligonucleotide** ligation, amplification, minisequencing, and primer extension.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 23 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2002:221317 USPATFULL
TITLE: Methods and compositions for determining the sequence of **nucleic acid** molecules
INVENTOR(S): Ness, Jeffrey Van, Seattle, WA, UNITED STATES
Tabone, John C., Bothell, WA, UNITED STATES
Howbert, J. Jeffry, Bellevue, WA, UNITED STATES
Mulligan, John T., Seattle, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002119456	A1	20020829
APPLICATION INFO.:	US 6623928	B2	20030923
RELATED APPLN. INFO.:	US 2001-855999	A1	20010514 (9)
	Continuation of Ser. No. US 1997-898180, filed on 22 Jul 1997, PATENTED Continuation-in-part of Ser. No. US 1997-786835, filed on 22 Jan 1997, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-10462P	19960123 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	58	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	25 Drawing Page(s)	

LINE COUNT: 6401

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods and compounds, including compositions therefrom, are provided for determining the sequence of **nucleic acid** molecules. The methods permit the determination of multiple **nucleic acid** sequences simultaneously. The compounds are used as tags to generate tagged **nucleic acid** fragments which are complementary to a selected target **nucleic acid** molecule. Each tag is correlative with a particular **nucleotide** and, in a preferred embodiment, is detectable by mass spectrometry. Following separation of the tagged fragments by sequential length, the tags are cleaved from the tagged fragments. In a preferred embodiment, the tags are detected by mass spectrometry and the sequence of the **nucleic acid** molecule is determined therefrom. The individual steps of the methods can be used in automated format, e.g., by the incorporation into systems.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 24 OF 34 USPATFULL on STN

ACCESSION NUMBER: 2002:205808 USPATFULL

TITLE: Devices and methods for purification

INVENTOR(S): Hunt, Denis, Acton, MA, UNITED STATES

Brownleader, Michael D., Windsor, UNITED KINGDOM

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002110495	A1	20020815
APPLICATION INFO.:	US 2002-41912	A1	20020107 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-260136P	20010105 (60)
	US 2001-269977P	20010220 (60)
	US 2001-284579P	20010418 (60)
	US 2001-337708P	20011207 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: John F. Perullo, Kirkpatrick & Lockhart LLP, 75 State Street, Boston, MA, 02109-1808

NUMBER OF CLAIMS: 33

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 10 Drawing Page(s)

LINE COUNT: 983

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a device and method for the purification and separation of substances. The purification device comprises a sample holder comprising a sample chamber and a column module. The column module is securable to the sample holder and is packed with chromatography medium having a special affinity for attracting a given substance. A variety of mediums can be used in the capsule of the purification device, each containing different medium types. The column modules may be prepacked by the manufacturer or may be provided empty so that a user defined medium may be inserted into the capsule by the user. With the column module and sample loaded, pressure may be applied to move the sample through the module to by means such as centrifuging in order to separate the selected substance from the sample.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 25 OF 34 USPATFULL on STN

ACCESSION NUMBER: 2002:178750 USPATFULL

TITLE: Methods for detecting and assaying **nucleic acid** sequences using temperature cycling

INVENTOR(S) : Getts, Robert C., Collegeville, PA, UNITED STATES
Kadushin, James M., Gilbertsville, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002094538	A1	20020718
APPLICATION INFO.:	US 2002-50088	A1	20020114 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-261231P	20010113 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Morris E. Cohen, Esq., Law Office of Morris E. Cohen, Esq., 1122 Coney Island Avenue, Suite 217, Brooklyn, NY, 11230-2345	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	1554	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to a method for determining the presence of a specific **nucleotide** sequence in a cDNA reagent of a target sample utilizing a capture reagent having at least one first arm containing a label capable of emitting a detectable signal and at least one second arm having a **nucleotide** sequence complementary to a capture sequence attached to the cDNA reagent on a microarray through temperature cycling.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 26 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2002:141128 USPATFULL
TITLE: DNA isolation method and kit
INVENTOR(S): Lienau, E. Kurt, Rhinebeck, NY, UNITED STATES
Hurley, J. Michael, Louisville, CO, UNITED STATES
PATENT ASSIGNEE(S): Eppendorf 5 Prime, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002072110	A1	20020613
	US 6548256	B2	20030415
APPLICATION INFO.:	US 2001-906898	A1	20010716 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-218328P	20000714 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903	
NUMBER OF CLAIMS:	42	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	1027	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method and kit for isolating **nucleic acids** from a **nucleic acid** containing starting material is disclosed, where the **nucleic acids** are released from the starting material and precipitated onto a trapping membrane. The method and kit may be used in the context of isolating genomic **DNA** from blood and isolating BACs from transformed bacterial cultures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 27 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2002:136435 USPATFULL
TITLE: Device for multiple sample processing
INVENTOR(S): Nix, Paul T., Jackson, NJ, United States
Stocker, Dennis R., Yardley, PA, United States
Byers, Michael J., Spring Mills, PA, United States
PATENT ASSIGNEE(S): Princeton Separations, Freehold, NJ, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6402950	B1	20020611
APPLICATION INFO.:	US 2000-665860		20000920 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-155275P	19990920 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Reifsnyder, David A.	
LEGAL REPRESENTATIVE:	Hoffman & Baron, LLP	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	695	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A device which can be used for filtering samples is described. The device is comprised of a plurality of filter wells, each having a wide region and a narrow region. The device is fitted with a filter element and then filled with a gel filtration matrix which is selected so that molecules of a particular molecular size will diffuse into the matrix. The device is centrifuged to remove water from the interstitial regions of the gel filtration matrix, and a sample is then added to the device containing the dried gel filtration matrix. The device is again centrifuged, causing smaller molecules to diffuse into the matrix and allowing larger molecules to exit the device, wherein they are collected and analyzed. The device is capable of filtering sample sizes as low as 1 .mu.L and can be used in a variety of existing laboratory equipment, including bench-top **centrifuges** and microcentrifuges. A process for using the device is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 28 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2002:99085 USPATFULL
TITLE: Methods for assay and detection on a microarray
INVENTOR(S): Getts, Robert, Collegeville, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002051981	A1	20020502
APPLICATION INFO.:	US 2001-802162	A1	20010308 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-187681P	20000308 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Morris E. Cohen, Suite 217, 1122 Coney Island Avenue, Brooklyn, NY, 11230	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	

NUMBER OF DRAWINGS: 5 Drawing Page(s)

LINE COUNT: 1187

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods are provided for assay and detection on a microarray. The method of the present invention comprises incubating a mixture including: i) a first component comprising a cDNA reagent obtained from mRNA of a target sample, the cDNA having a capture sequence, and ii) a second component comprising a dendrimer having at least one first arm containing a label capable of emitting a detectable signal and at least one second arm having a second **nucleotide** sequence complementary to the capture sequence, at a first temperature and for a time sufficient to induce the first component to bind to the second component and form a prehybridized cDNA-dendrimer complex; contacting a microarray having thereon a plurality of features each containing a particular first **nucleotide** sequence with the mixture; and incubating the microarray and the prehybridized cDNA-dendrimer complex at a second temperature and for a time sufficient to induce prehybridized cDNA-dendrimer complex to bind to the first **nucleotide** sequence, wherein such binding results in the feature emitting the detectable signal whereby a hybridization pattern is generated on the microarray.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 29 OF 34 USPATFULL on STN

ACCESSION NUMBER: 2002:87998 USPATFULL

TITLE: Size-variable strain-specific protective antigen for potomac horse fever

INVENTOR(S): Dutta, Sukanta, Glenn Dale, MD, United States
Biswas, Biswajit, Greenbelt, MD, United States

Vemulapalli, Ramesh, Blacksburg, VA, United States

PATENT ASSIGNEE(S): University of Maryland College Park, College Park, MD, United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 6375954 B1 20020423

APPLICATION INFO.: US 1998-157257 19980918 (9)

NUMBER	DATE
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PRIORITY INFORMATION: US 1997-59252P 19970918 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Graser, Jennifer E.

LEGAL REPRESENTATIVE: Arent Fox Kintner Plotkin Kahn PLLC

NUMBER OF CLAIMS: 3

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 13 Drawing Figure(s); 14 Drawing Page(s)

LINE COUNT: 2907

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An isolated and purified antigen which is expressed by a wild-type *E. risticii* strain and is specific to the strain. The present invention also relates to **nucleic acid** constructs which encode the antigen, expression vectors, transformed host cells, and methods for producing the antigen.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 30 OF 34 USPATFULL on STN

ACCESSION NUMBER: 2001:196797 USPATFULL

TITLE: Methods and compositions for determining the sequence of **nucleic acid** molecules

INVENTOR(S): Van Ness, Jeffrey, Seattle, WA, United States

PATENT ASSIGNEE(S):

Tabone, John C., Bothell, WA, United States
 Howbert, J. Jeffry, Bellevue, WA, United States
 Mulligan, John T., Seattle, WA, United States
 Qiagen Genomics, Inc., Bothell, WA, United States (U.S. corporation)

PATENT INFORMATION:

NUMBER	KIND	DATE
US 6312893	B1	20011106

APPLICATION INFO.:

US 1997-898180	19970722	(8)
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RELATED APPLN. INFO.:

Continuation-in-part of Ser. No. US 1997-786835, filed on 22 Jan 1997, now abandoned

PRIORITY INFORMATION:

NUMBER	DATE
US 1996-10462P	19960123 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

GRANTED

PRIMARY EXAMINER:

Houtteman, Scott W.

LEGAL REPRESENTATIVE:

Seed Intellectual Property Law Group PLLC

NUMBER OF CLAIMS:

58

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

46 Drawing Figure(s); 42 Drawing Page(s)

LINE COUNT:

6431

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods and compounds, including compositions therefrom, are provided for determining the sequence of **nucleic acid** molecules. The methods permit the determination of multiple **nucleic acid** sequences simultaneously. The compounds are used as tags to generate tagged **nucleic acid** fragments which are complementary to a selected target **nucleic acid** molecule. Each tag is correlative with a particular **nucleotide** and, in a preferred embodiment, is detectable by mass spectrometry. Following separation of the tagged fragments by sequential length, the tags are cleaved from the tagged fragments. In a preferred embodiment, the tags are detected by mass spectrometry and the sequence of the **nucleic acid** molecule is determined therefrom. The individual steps of the methods can be used in automated format, e.g., by the incorporation into systems.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 31 OF 34 USPATFULL on STN

ACCESSION NUMBER: 2001:21993 USPATFULL

TITLE: Method of isolating cells

INVENTOR(S): O'Neill, Ian Kenneth, 5 Red Hill Close, Great Shelford, Cambridgeshire CB2 5JP, United Kingdom
 Loktionov, Alexandre, 94, Canterbury Street, Cambridge CB4 3QE, United Kingdom

PATENT INFORMATION:

NUMBER	KIND	DATE
US 6187546	B1	20010213

APPLICATION INFO.:

WO 9709600	19970313
US 1998-43010	19980423 (9)

WO 1996-GB2177	19960905
	19980423 PCT 371 date
	19980423 PCT 102(e) date

PRIORITY INFORMATION:

NUMBER	DATE
GB 1995-18156	19950906

DOCUMENT TYPE:

Utility

FILE SEGMENT:

Granted

PRIMARY EXAMINER: Le, Long V.
ASSISTANT EXAMINER: Nguyen, Bao-Thuy L.
LEGAL REPRESENTATIVE: Mathews, Collins, Shepherd & Gould, P.A.
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
LINE COUNT: 1315

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides a method of isolating cells from a faecal stool, the method comprising the steps of a) cooling the stool to a temperature below its gel freezing point, and b) removing cells from the stool whilst maintaining the stool at a temperature below its gel freezing point such that the stool remains substantially intact. The invention further provides methods of purifying cells comprising use of immunomagnetic beads and/or boric acid. Cells isolated according to the invention may be used in diagnostic tests and assay procedures for monitoring a biological or biochemical property of tissue.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 32 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2001:21982 USPATFULL
TITLE: Fast and exhaustive method for selecting a prey polypeptide interacting with a bait polypeptide of interest: application to the construction of maps of interactors polypeptides
INVENTOR(S): LeGrain, Pierre, Paris, France
Fromont, Micheline, Villejuif, France
Rain, Jean-Christophe, Puteaux, France
PATENT ASSIGNEE(S): Institut Pasteur, Paris, France (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6187535	B1	20010213
APPLICATION INFO.:	US 1998-25151		19980218 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Horlick, Kenneth R.		
ASSISTANT EXAMINER:	Siew, Jeffrey		
LEGAL REPRESENTATIVE:	Finnegan, Henderson, Farabow, Garrett & Dunner		
NUMBER OF CLAIMS:	51		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 10 Drawing Page(s)		
LINE COUNT:	3241		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to a method for selecting a prey polypeptide that is able to interact with a bait polypeptide of interest, to a prey **polynucleotide** encoding the prey polypeptide as well as to the prey polypeptide itself. The invention also concerns plasmids used for performing the method of the invention as well as prokaryotic or eukaryotic recombinant host organisms containing such plasmids and also a collection of said recombinant host organisms consisting in a **DNA** library, such as a collection of recombinant haploid *Saccharomyces cerevisiae*. Finally, the invention is also directed to a technical medium containing the whole information concerning the interactions between metabolically related bait and prey polypeptides and/or polynucleotides coding for bait and prey polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 33 OF 34 USPATFULL on STN
ACCESSION NUMBER: 2000:157216 USPATFULL
TITLE: Chondrocyte media formulations and culture procedures
INVENTOR(S): McPherson, John M., Hopkinton, MA, United States

Yaeger, Peter C., Natick, MA, United States
 Brown, Marie E., West Newton, MA, United States
 Hanlon, James G., Camarillo, CA, United States
 Binette, Francois, Belmont, Canada
 PATENT ASSIGNEE(S) : Genzyme Corporation, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6150163		20001121
APPLICATION INFO.:	US 1999-229430		19990113 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-22810P	19960725 (60)
	US 1996-22711P	19960726 (60)
	US 1996-22801P	19960725 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Lankford, Jr., Leon B.
 NUMBER OF CLAIMS: 20
 EXEMPLARY CLAIM: 1
 LINE COUNT: 1709

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB One object of the present invention is based upon the development and use of a serum-free defined cell culture medium comprising a supplement mixture, a component mixture, a vitamin mixture, an inorganic salt mixture and amino acid mixture that avoids the problems inherent in the use of serum. In particular, the defined medium is useful in culturing fibroblasts, especially chondrocytes. Another object of the present invention is to claim a method of enhancing the differentiation of chondrocytes and enhancing the synthesis of a cartilage specific matrix using tumor growth factor beta (TGF-.beta.). Another object of the present invention is to claim a method of enhancing the differentiation of chondrocytes using the combination of TGF-.beta. and IGF.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 34 OF 34 USPATFULL on STN
 ACCESSION NUMBER: 90:36391 USPATFULL
 TITLE: Process for purifying **nucleic acids**
 INVENTOR(S): McCormick, Randy M., Wilmington, DE, United States
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4923978		19900508
APPLICATION INFO.:	US 1987-138038		19871228 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Griffin, Ronald W.		
ASSISTANT EXAMINER:	Crane, L. Eric		
LEGAL REPRESENTATIVE:	Hamby, William H.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
LINE COUNT:	709		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The process for separating the proteinaceous materials from **nucleic acids** involves contacting a solution containing the proteinaceous materials and **nucleic acids** with a solid phase extraction material capable of binding proteins to form bound and unbound fractions and then isolating the unbound fraction containing the **nucleic acids**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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